- 1 ENVIRONMENTAL AND PUBLIC PROTECTION CABINET
- 2 Department for Environmental Protection
- 3 Division for Air Quality
- 4 (Amendment)
- 5 401 KAR 51:001. Definitions for 401 KAR Chapter 51.
- 6 RELATES TO: KRS 224.01-010, 224.20-100, 224.20-110, 224.20-120, 40 C.F.R.
- 7 [CFR] Chapter I, Part 50, Appendices A to K, 51.100(s), 51.121, 51.165, 51.166, 53, 60,
- 8 Appendices A and B, 61, Appendix B, 75, 96, 42 <u>U.S.C</u>. [USC] 7410 to 7671q
- 9 STATUTORY AUTHORITY: KRS 224.10-100[(5)]
- 10 NECESSITY, FUNCTION, AND CONFORMITY: KRS 224.10-100(5) requires the
- 11 [Natural Resources and] Environmental and Public Protection Cabinet to promulgate
- 12 [prescribe] administrative regulations for the prevention, abatement, and control of air
- pollution. This administrative regulation defines the terms used in 401 KAR Chapter 51.
- 14 The definitions contained in this administrative regulation [7] that [which] have
- 15 corresponding federal definitions have been clarified and simplified but [-] are not more
- stringent nor otherwise different than the corresponding federal definitions.
- 17 Section 1. Definitions.
- 18 (1) "Acid rain emissions limitation" means a limitation on emissions of SO_2 or
- NOx imposed by the Acid Rain Program under 42 <u>U.S.C.</u> [USC] 7651 to 7651o.
- 20 (2) "Actual emissions" means the actual rate of emissions of a regulated NSR
- 21 pollutant from an emissions unit, as determined according to the following:

1	<u>(a)</u>	Actual emissions as of a particular date equals the average rate, in tons
2	per year, at	which the unit actually emitted the pollutant during a consecutive twenty-
3	four (24) mo	onth period, which precedes that date and is representative of normal source
4	operation.	
5	<u>1.</u>	Use of a different time period is allowed if the cabinet determines that a
6	different tim	e period is more representative of normal source operation; and
7	<u>2.</u>	The unit's actual operating hours, production rates, and types of materials
8	processed,	stored, or combusted during the selected time period are used to calculate
9	actual emiss	sions.
10	<u>(b)</u>	The cabinet may presume that source-specific allowable emissions for the
1	unit are equ	ivalent to the actual emissions of the unit.
12	<u>(c)</u>	For an emissions unit, which has not begun normal operations on the
13	particular da	ate, actual emissions equals the potential to emit of the unit on that date.
14	<u>(d)</u>	This definition does not include:
15	<u>1.</u>	Calculating if a significant emissions increase has occurred; or
16	<u>2.</u>	Establishing a PAL under 401 KAR 51:017, Section 23.
17	<u>(3)</u>	"Actuals PAL" or "PAL" means a plantwide applicability limit established
8	for a major	stationary source based on the baseline actual emissions of all emissions
19	units at the	source that emit or have the potential to emit the PAL pollutant.
20	<u>(4)</u>	"Adverse impact on visibility" means visibility impairment that interferes
21	with the m	anagement, protection, preservation or enjoyment of the visitor's visual
22	experience	of the Class I area. This determination:

Is to be made on a case-by-case basis;

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- 1 <u>2.</u> <u>Considers the geographic extent, intensity, duration, frequency and time of a considers the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent, intensity, duration, frequency and time of a consider the geographic extent the</u>
- 2 <u>visibility impairment and how these factors correlate with the times of visitor use of the</u>
- 3 Class I area; and
- 4 3. Considers the frequency and timing of natural conditions that reduce
- 5 <u>visibility</u>.
- 6 (5) [(2)] "Affected facility" means an apparatus, building, operation, road, or
- 7 other entity or series of entities that [which] emits or may emit an air contaminant into
- 8 the outdoor atmosphere.
- 9 (6) [(3)] "Air contaminant" is defined in KRS 224.01-010(1).
- 10 (7) [4] "Air pollutant" means air contaminant.
- 11 (8) [(5)] "Air pollution" is defined in KRS 224.01-010(3).
- 12 (9) [(6)] "Air pollution control equipment" means a mechanism, device or
- 13 contrivance used to control or prevent air pollution, which is not, aside from air pollution
- 14 control laws and administrative regulations, vital to production of the normal product of
- 15 the source or to its normal operation.
- 16 (10) [(7)] "Allocate" or "allocation" means the determination by the cabinet of
- the number of NOx allowances to be credited to a NOx budget unit.
- 18 (11) [(8)] "Allocation period" means each three (3) year period beginning May
- 19 1, 2004.
- 20 (12) "Allowable emissions" means:
- 21 (a) The emissions rate of a stationary source that is calculated using the
- 22 maximum rated capacity of the source, unless the source is subject to federally
- 23 enforceable limits that restrict the operating rate, or hours of operation, or both, and the

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- 2 <u>1. The applicable standards of 40 C.F.R. Parts 60 and 61;</u>
- 3 <u>2. The applicable SIP emissions limitations, including those with a future</u> 4 compliance date; or
 - 3. The emissions rates specified as a federally enforceable permit condition, including those with a future compliance date; or
 - (b) For an actuals PAL, the emissions rate of a stationary source that is calculated considering any emission limitations that are enforceable as a practical matter on the emissions unit's potential to emit, and the most stringent provision of paragraph (a)1 to 3 of this subsection.
- 11 <u>(13)</u> [(9)] "Alteration" means:
- 12 (a) The installation or replacement of air pollution control equipment at a source; or
 - (b) A physical change in or change in the method of operation of an affected facility that [which] increases the potential to emit a pollutant to which a standard applies emitted by the facility or that [which] results in the emission of an air pollutant to which a standard applies not previously emitted.
 - (14) [(10)] "Alternative method" means a method of sampling and analyzing for an air pollutant that is not a reference or equivalent method but which has been demonstrated to the cabinet's and the U.S. EPA's satisfaction to produce adequate results for its determination of compliance.
- 22 (15) [(11)] "Ambient air" means that portion of the atmosphere, external to 23 buildings, to which the general public has access.

1	(16) [(12)] "Ambient air quality standard" means a numerical expression of a
2	specified concentration level for a particular air contaminant and the time averaging
3	interval over which that concentration level is measured and is a goal to be achieved in
4	a stated time through the application of appropriate preventive or control measures.

- 5 (17) [(13)] "ANSI" means American National Standards Institute.
- 6 (18) [(14)] "AOAC" means Association of Official Analytical Chemists.
- 7 (19) [(15)] "ASTM" means American Society for Testing and Materials.
 - (20) "Baseline actual emissions" means the rate of emissions, in tons per year, of a regulated NSR pollutant, that:
 - (a) For an existing electric utility steam generating unit (EUSGU), the unit actually emitted during any consecutive twenty-four (24) month period selected by the owner or operator within the five (5) year period immediately preceding the date the owner or operator begins actual construction of the project.
- 14 <u>1. The rate is an average that:</u>

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- <u>a.</u> <u>Includes fugitive emissions and emissions associated with startups, shutdowns, and malfunctions;</u>
- b. Is adjusted downward to exclude any non-compliant emissions that occurred while the source was operating above an emission limitation that was legally enforceable during the consecutive twenty-four (24) month period; and
- c. Is based on any consecutive twenty-four (24) month period for which there is adequate information for determining annual emissions, in tons per year, and for adjusting this amount as necessary according to clause b of this subparagraph;
- 23 <u>2. Use of a time period other than the twenty-four (24) month period is</u>

- allowed, if the cabinet determines that a different time period is more representative of
 normal source operation; and
- 3 <u>3. If a project involves multiple emissions units, only one (1) consecutive</u>
 4 twenty-four (24) month period is used to determine the baseline actual emissions for the
 5 emissions units being changed, where a different consecutive twenty-four (24) month
 6 period is allowed for each regulated NSR pollutant.
 - (b) For an existing emissions unit that is not an EUSGU, the unit actually emitted during any consecutive 24-month period selected by the owner or operator within the ten (10) year period beginning on or after November 15, 1990, and immediately preceding the earlier of the date the owner or operator begins actual construction of the project or the date a complete permit application is received by the cabinet for a permit required under 401 KAR 51:017 or 401 KAR 51:052.
- 13 <u>1. The rate is an average that:</u>

- a. <u>Includes fugitive emissions to the extent quantifiable and emissions</u>
 associated with startups, shutdowns, and malfunctions;
- 16 <u>b.</u> <u>Is adjusted downward:</u>
 - (i) To exclude any non-compliant emissions that occurred while the source was operating above an emission limitation that was legally enforceable during the consecutive twenty-four month period;
 - (ii) To exclude any emissions that would have exceeded an emission limitation with which the major stationary source is required currently to comply, if the source had been required to comply with the limitations during the consecutive twenty-four (24) month period; and

	1	<u>(iii)</u>	For an	emission	limitation	that	is	part	of	а	maximum	achievable	contro
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- 2 <u>technology standard proposed or promulgated under 40 C.F.R. Part 63, only if the</u>
- 3 Commonwealth of Kentucky has taken credit for the emissions reductions in an
- 4 <u>attainment demonstration or maintenance plan consistent with 40 C.F.R.</u>
- 5 <u>51.165(a)(3)(ii)(G); and</u>
- 6 <u>c.</u> <u>Is based on any consecutive twenty-four (24) month period for which there</u>
- 7 is adequate information for determining annual emissions, in tons per year, and for
- 8 adjusting this amount as necessary according to clause b of this subparagraph; and
- 9 <u>2. If a project involves multiple emissions units, only one (1) consecutive</u>
- 10 twenty-four (24) month period is used to determine the baseline actual emissions for the
- emissions units being changed; however, a different consecutive twenty-four (24) month
- 12 period is allowed for each regulated NSR pollutant.
- 13 (c) For a new emissions unit, equals zero for determining the emissions
- 14 <u>increase that will result from the initial construction and operation of the new unit and</u>
- thereafter, for all other purposes, equals the unit's potential to emit.
- 16 (d) For a PAL for a stationary source, is determined as follows:
- 17 <u>1.</u> For an existing EUSGU, in accordance with the procedures contained in
- 18 paragraph (a) of this subsection;
- 19 <u>2. For other existing emissions units, in accordance with the procedures</u>
- 20 contained in paragraph (a) of this subsection; and
- 21 <u>3.</u> For a new emissions unit, in accordance with the procedures contained in
- 22 paragraph (b) of this subsection.
- 23 (21) "Baseline area" means an intrastate area, and every part of that area,

- 1 designated as attainment or unclassifiable pursuant to 42 U.S.C. 7404(d)(1)(A)(ii) or (iii)
- 2 <u>in which the major source or major modification establishing the minor source baseline</u>
- 3 <u>date would construct or would have an air quality impact equal to or greater than one (1)</u>
- 4 µg/m³ annual average of the pollutant for which the minor source baseline date is
- 5 <u>established.</u>
- 6 (a) Area redesignations under 42 U.S.C. 7404(d)(1)(A)(ii) or (iii) cannot
- 7 <u>intersect or be smaller than the area of impact of a major stationary source or major</u>
- 8 <u>modification which:</u>
- 9 <u>1. Establishes a minor source baseline date; or</u>
- 10 <u>2. Is subject to 401 KAR 51:017 and would be constructed in the</u>
- 11 Commonwealth of Kentucky.
- 12 (b) A baseline area established originally for total suspended particulate
- 13 (TSP) increments remains in effect to determine the amount of available PM₁₀
- increments, unless the cabinet rescinds the corresponding minor source baseline date.
- 15 (22) "Baseline concentration" means the ambient concentration level that
- 16 exists in the baseline area on the date the applicable minor source baseline date is
- 17 established.
- 18 (a) A baseline concentration is determined for each pollutant for which a
- 19 <u>minor source baseline date is established and includes:</u>
- 20 1. The actual emissions representative of sources in existence on the
- 21 applicable minor source baseline date, except as provided in paragraph (b) of this
- 22 subsection; and
- 23 <u>2. The allowable emissions of major stationary sources that commenced</u>

1	construction	before	the m	najor	source	baseline	date	but	were	not	in	operation	by	the
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- 3 (b) The following are not included in the baseline concentration and thus
 4 affect the maximum applicable allowable increase:
- 5 <u>1. Actual emissions at a major source, which result from construction</u> 6 <u>commencing after the major source baseline date; and</u>
- 7 <u>2. Actual emissions increases and decreases at a stationary source</u> 8 occurring after the minor source baseline date.
 - (23) "Baseline date" means major source baseline date or minor source baseline date and is established for each pollutant for which increments or other equivalent measures have been established if the area in which the proposed source or modification would construct is designated as attainment or unclassifiable pursuant to 42 U.S.C. 7407(d)(1)(A)(ii) or (iii) for the pollutant on the date of the source's complete application; and
 - (a) For a major stationary source, the pollutant would be emitted in significant amounts; or
- 17 (b) For a major modification, there would be a significant net emissions
 18 increase of the pollutant.
- 19 <u>(24)</u> <u>"Begin actual construction" means:</u>

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- 20 (a) Initiation of physical on-site construction activities that are of a permanent
 21 nature and include installation of building supports and foundations, laying underground
 22 pipe work, and construction of permanent storage structures.
- 23 (b) For a change in method of operations, those on-site activities other than

- 1 <u>the preparatory activities, which mark the initiation of the change.</u>
- 2 (25) "Best available control technology" or "BACT" means an emissions
- 3 <u>limitation, including a visible emission standard, based on the maximum degree of</u>
- 4 <u>reduction for each regulated NSR pollutant that will be emitted from a proposed major</u>
- 5 <u>stationary source or major modification that:</u>
- 6 (a) Is determined by the cabinet on a case-by-case basis after taking into
- 7 account energy, environmental, and economic impacts and other costs, to be
- 8 achievable by the source or modification through application of production processes or
- 9 available methods, systems, and techniques, including fuel cleaning or treatment or
- 10 <u>innovative fuel combustion techniques for control of that pollutant;</u>
- 11 (b) Does not result in emissions of a pollutant that would exceed the
- 12 <u>emissions allowed by an applicable standard of 40 C.F.R. Parts 60 and 61; and</u>
- 13 (c) Is satisfied by a design, equipment, work practice, or operational standard
- or combination of standards approved by the cabinet, if:
- 15 <u>1. The cabinet determines technological or economic limitations on the</u>
- 16 application of measurement methodology to a particular emissions unit would make the
- 17 imposition of an emissions standard infeasible;
- 18 <u>2. The standard establishes the emissions reduction achievable by</u>
- 19 <u>implementation of the design, equipment, work practice or operation; and</u>
- 20 3. The standard provides for compliance by means that achieve equivalent
- 21 results.
- 22 (26) [(16)] "BOD" means biochemical oxidant demand.
- 23 (27) [(17)] "Boiler" means an enclosed fossil or other fuel-fired combustion

- 1 device used to produce heat and to transfer heat to recirculating water, steam, or other
- 2 medium.
- 3 (28) [(18)] "BTU" means British thermal unit.
- 4 (29) "Building, structure, facility, or installation" means all of the pollutant
- 5 <u>emitting activities that:</u>
- 6 (a) Belong to the same industrial grouping, having the same two (2) digit
- 7 code, as described in the Standard Industrial Classification Manual, 1987;
- 8 (b) Are located on one (1) or more contiguous or adjacent properties;
- 9 (c) Are under the control of the same person or persons under common
- 10 control; and
- 11 (d) Do not include the activities of a vessel.
- 12 (30) [(19)] "° C" means degree Celsius (centigrade).
- 13 (31) [(20)] "Cabinet" is defined in KRS 224.01-010(9).
- 14 (32) [(21)] "Cal" means calorie.
- 15 (33) [(22)] "Capital expenditure" means an expenditure for a physical or
- operational change to an affected facility that:
- 17 (a) Exceeds the product of:
- 18 1. The applicable "annual asset guidelines repair allowance percentage"
- 19 specified in the Internal Revenue Service Publication 534; and
- 20 2. The affected facility's basis, as defined by 26 U.S.C. [USC] 1012; and
- 21 (b) Is not reduced by an excluded addition as defined in IRS Publication 534.
- 22 (34) [(23)] "cfm" means cubic feet per minute.
- 23 $\underline{(35)}$ $\underline{(24)}$ "CH₄" means methane.

1	(36)	<u>"Clean</u>	coai	technology	means	<u>а</u>	tecnnology,	including	technologies
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- 2 applied at the precombustion, combustion, or post-combustion stage, at a new or
- 3 existing facility that will achieve significant reductions in air emissions of sulfur dioxide
- 4 <u>or oxides of nitrogen associated with the utilization of coal in the generation of electricity</u>
- 5 or process steam that was not in widespread use as of November 15, 1990.
- 6 (37) "Clean coal technology demonstration project" means a commercial
- 7 <u>demonstration of clean coal technology, with a federal contribution of at least twenty</u>
- 8 (20) percent of the total cost of the project and funding appropriated as follows:
- 9 (a) Under the heading "Department of Energy-Clean Coal Technology," up to a total amount of \$2,500,000,000; or
- 11 (b) To the U.S. EPA for a similar project.
- 12 (38) "Clean Unit" means an emissions unit that:
- 13 (a) Has been issued a major NSR permit that requires compliance with BACT
- or LAER; is complying with the applicable BACT or LAER requirements; and qualifies as
- 15 <u>a Clean Unit pursuant to 401 KAR 51:017, Section 20 or 401 KAR 51:052, Section 11;</u>
- 16 (b) Has been designated by the cabinet as a Clean Unit, based on the criteria
- 17 <u>in 401 KAR 51:017, Section 21(2) or 401 KAR 51;052, Section 12(2), using a SIP</u>
- 18 approved permitting process; or
- 19 (c) Has been designated as a Clean Unit by the U.S. EPA in accordance with
- 20 <u>40 C.F.R. 52.21(y)(3)(i) to (iv).</u>
- 21 (39) [(25)] "Clinker" means the product of a portland cement kiln from which

- 22 finished cement is manufactured by milling and grinding.
- 23 (40) [(26)] "CO" means carbon monoxide.

(41) [(27)] "CO_{2"} means carbon dioxide.

- 2 (42) [(28)] "COD" means chemical oxidant demand.
- (43) "Collateral pollutant" means an air contaminant for which the emissions
 rate is increased as a result of undertaking a pollution control project.
 - (44) [(29)] "Combined cycle system" means a system comprised of one (1) or more combustion turbines, heat recovery steam generators, or steam turbines configured to improve overall efficiency of electricity generation or steam production.
 - (45) [(30)] "Combustion turbine" means an enclosed fossil or other fuel-fired device that is comprised of a compressor, a combustor, and a turbine, and in which the flue gas resulting from the combustion of fuel in the combustor passes through the turbine, rotating the turbine.
- 12 (46) [(31)] "Commence" means that an owner or operator:
 - (a) Has undertaken a continuous program of construction, modification, or reconstruction of an affected facility, or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of construction, modification, or reconstruction of an affected facility; or [-]
 - (b) For construction of a major stationary source or major modification in the PSD or NSR program, has all necessary preconstruction approvals or permits, and:
 - 1. Has begun, or caused to begin, a continuous program of actual on-site construction of the source, to be completed within a reasonable time; or
- 22 <u>2. Has entered into binding agreements or contractual obligations, which</u>
 23 cannot be cancelled or modified without substantial loss to the owner or operator, to

- 1 <u>undertake a program of actual construction of the source to be completed within a</u>
- 2 <u>reasonable time.</u>

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- 3 (47) [(32)] "Commence commercial operation" means to have begun to 4 produce steam, gas, or other heated medium used to generate electricity for sale or 5 use. Except as provided in 401 KAR 51:195 or 40 C.F.R. [CFR] 96.5:
- 6 (a) For a unit that is a NOx budget unit under 40 <u>C.F.R.</u> [CFR] 96.4, on the 7 date the unit commences commercial operation, the date remains the unit's date of 8 commencement of commercial operation even if the unit is subsequently modified, 9 reconstructed, or repowered.
 - (b) For a unit that is not a NOx budget unit under 40 <u>C.F.R.</u> [CFR] 96.4, on the date the unit commences commercial operation, the date the unit becomes a NOx budget unit under 40 <u>C.F.R.</u> [CFR] 96.4 is the unit's date of commencement of commercial operation.
 - (48) [(33] "Commence operation" means, for a NOx budget unit, to have begun a mechanical, chemical, or electronic process, including start-up of a unit's combustion chamber. Except as provided in 401 KAR 51:195 or 40 C.F.R. [CFR] 96.5:
 - (a) For a unit that is a NOx budget unit under 40 <u>C.F.R.</u> [CFR] 96.4 on the date of commencement of operation, the date remains the unit's date of commencement of operation even if the unit is subsequently modified, reconstructed, or repowered.
 - (b) For a unit that is not a NOx budget unit under 40 <u>C.F.R.</u> [CFR] 96.4 on the date of commencement of operation, the date the unit becomes a NOx budget unit under 40 <u>C.F.R.</u> [CFR] 96.4 is the unit's date of commencement of operation.

1	(49)	"Complete" mean	s in reference	to an	application	for a	major NSR	nermit
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- 2 that the application contains information necessary for processing the application.
- 3 Designating an application complete for permit processing does not preclude the
- 4 <u>cabinet from requesting or accepting additional information.</u>
- 5 (50) [(34)] "Compliance schedule" means a time schedule of remedial
- 6 measures including an enforceable sequence of actions or operations leading to
- 7 compliance with a limitation or standard.
- 8 (51) [(35)] "Compliance supplement pool" means the quantity of NOx
- 9 allowances provided to Kentucky by the U.S. EPA to be:
- 10 (a) Allocated to NOx budget units that achieve early reduction; or
- 11 (b) Used to assist NOx budget sources that are unable to meet the
- 12 compliance deadline as provided in 401 KAR 51:180, Section 5.
- 13 (52) [(36)] "Construction" means:
- 14 (a) Fabrication, erection, installation or modification of an air contaminant
- 15 source.
- 16 (b) For the NSR program, any physical change or change in the method of
- 17 operation, including fabrication, erection, installation, demolition, or modification of an
- 18 emissions unit that would result in a change in emissions at an air contaminant source.
- 19 (53) "Continuous emissions monitoring system" or "CEMS" means all of the
- 20 equipment that may be required to meet the data acquisition and availability
- 21 requirements of 401 KAR 51:017 or 401 KAR 51:052 to sample, condition, if applicable,
- analyze, and provide a record of emissions on a continuous basis.
- 23 (54) [(37)] "Continuous emission monitoring system for NOx" or "CEMS for

- 1 NOx" means the equipment required by 40 C.F.R. [CFR] 96.70 to 96.76 to sample,
- 2 analyze, measure, and provide, by readings taken at least once every fifteen (15)
- 3 minutes of the measured parameters, a permanent record of NOx emissions, expressed
- 4 in tons per hour for NOx. The following systems are necessary component parts, as
- 5 required by 40 <u>C.F.R.</u> [CFR] Part 75, included in a continuous emission monitoring
- 6 system:
- 7 (a) Flow monitor;
- 8 (b) NOx pollutant concentration monitor;
- 9 (c) Diluent gas monitor (O₂ or CO₂) if required by 40 <u>C.F.R.</u> [CFR] 96.70 to
- 10 96.76;
- 11 (d) Continuous moisture monitor if required by 40 C.F.R. [CFR] 96.70 to
- 12 96.76; and
- 13 (e) Automated data acquisition and handling system.
- 14 (55) "Continuous emissions rate monitoring system" or CERMS" means the
- 15 total equipment required for the determination and recording of the pollutant mass
- 16 emissions rate in terms of mass per unit of time.
- 17 (56) [(38)] "Continuous monitoring system" means the total equipment,
- 18 required under the applicable administrative regulations used to sample, to condition, (if
- 19 applicable), to analyze and to provide a permanent record of emissions or process
- 20 parameters.
- 21 (57) "Continuous parameter monitoring system" or "CPMS" means all of the
- 22 equipment necessary to meet the data acquisition and availability requirements of 401
- 23 KAR 51:017 to:

1	(a) Monitor process and control device operational parameters such as
2	control device secondary voltages and electric currents;
3	(b) Monitor other information such as gas flow rate, ozone or carbon dioxide
4	concentrations; and
5	(c) Record average operational parameter values on a continuous basis.
6	(58) [(39)] "Control period" means:
7	(a) For the year 2004, the period beginning May 31, 2004, and ending
8	September 30, 2004, inclusive; and
9	(b) For all other years, the period beginning May 1 of a year and ending
10	September 30 of the same year, inclusive.
11	(59) [(40)] "Director" means Director of the Division for Air Quality of the
12	[Natural Resources and] Environmental and Public Protection Cabinet.
13	(60) [(41)] "District" is defined in KRS 224.01-010(11).
14	(61) [(42)] "dscf" means dry cubic feet at standard conditions.
15	(62) [(43)] "dscm" means dry cubic meter at standard conditions.
16	(63) [(44)] "Electric generating unit" means, for 401 KAR 51:160 to 51:195,
17	fossil fuel-fired boiler, combustion turbine, or a combined cycle system used to generate
18	twenty-five (25) megawatts or more of electricity, some of which is offered for sale.
19	(64) "Electric utility steam generating unit" or "EUSGU" means, for the PSD
20	and NSR programs, a steam electric generating unit that is constructed for the purpose
21	of supplying for sale:
22	(a) More than one-third (1/3) of its potential electric output capacity;

More than twenty-five (25) megawatt electrical output to a utility power

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- 2 (c) Steam to a steam-electric generator that would produce electrical energy
- 3 is also considered in determining the electrical energy output capacity of the affected
- 4 facility.
- 5 (65) [(45)] "Emission standard" means that numerical limit that [which] fixes
- 6 the amount of an air contaminant or air contaminants that may be vented into the
- 7 atmosphere from an affected facility or from air pollution control equipment installed in
- 8 an affected facility.
- 9 (66) "Emissions unit" means any part of a stationary source including an
- 10 EUSGE that emits or will have the potential to emit a regulated NSR. For 401 KAR
- 11 51:017 and 401 KAR 51:052, there are two types of emissions units:
- 12 (a) A new emissions unit, which is any emissions unit that is or will be newly
- 13 constructed and that has existed for less than two (2) years from the date the unit first
- 14 operated; and
- 15 (b) An existing emissions unit, which is any emissions unit that does not meet
- the requirements in paragraph (a) of this subsection or is a replacement unit.
- 17 (67) [(46)] "Enforceable as a practical matter" means that the emission or
- 18 other standards contained in a permit or compliance schedule include:
- 19 (a) Technically accurate emission standards, and the portions of the source
- 20 that are subject to the standards;
- 21 (b) A time period adequate to demonstrate compliance with the standards;
- 22 and
- 23 (c) The method the source will use to achieve and demonstrate compliance

- 1 with the limitations and standards, including appropriate monitoring, recordkeeping, and
- 2 reporting.
- 3 (68) [(47)] "Equivalent method" means a method of sampling and analyzing
- 4 for an air pollutant that [which] has been demonstrated to the cabinet's and the U.S.
- 5 EPA's satisfaction to have a consistent and quantitatively known relationship to the
- 6 reference method, under specified conditions.
- 7 (69) [(48)] "Excess NOx emissions" means any tonnage of nitrogen oxides
- 8 emitted by a NOx budget unit during a control period that exceeds the NOx budget
- 9 emissions limitation for the unit.
- 10 (70) [(49)] "Exempt solvent" means an organic compound listed in the
- 11 definition of volatile organic compound as not participating in atmospheric
- 12 photochemical reactions.
- 13 (71) [(50)] "Existing source" means a source that [which] is not a new source.
- 14 (72) [(51)] "Extreme nonattainment county" or "extreme nonattainment area"
- means a county or portion of a county designated extreme nonattainment for the one (1)
- hour national ambient air quality standard for ozone in 401 KAR 51:010.
- 17 (73) [(52)] "° F" means degree Fahrenheit.
- 18 (74) "Federal land manager" means, for any lands in the United States, the
- 19 secretary of the department with authority over those lands.
- 20 (75) "Federally enforceable" means all limitations and conditions that are
- 21 <u>enforceable by the U.S. EPA, including:</u>
- 22 (a) Requirements developed under 40 C.F.R. Parts 60 and 61;
- 23 (b) Requirements in the Kentucky state implementation plan (SIP) approved

1 by the U.S. EPA; and

- 2 (c) Any permit requirements established under 40 C.F.R. 52.21 or under
- 3 regulations approved under 40 C.F.R. Part 51, Subpart I, including operating permits
- 4 <u>issued under an EPA-approved program incorporated into the SIP, which expressly</u>
- 5 requires adherence to a permit issued under the program.
- 6 (76) [(53)] "Federally-enforceable permit" means a permit issued under 401
- 7 KAR 52:020 or 401 KAR 52:030, as appropriate.
- 8 (77) [(54)] "Fixed capital cost" means the capital needed to provide all the
- 9 depreciable components.
- 10 (78) [(55)] "Fossil fuel" means natural gas, petroleum, coal, or a form of solid,
- 11 liquid, or gaseous fuel derived from natural gas, petroleum, or coal.
- 12 (79) [(56)] "Fossil fuel fired" means, for a unit:
- 13 (a) The combustion of fossil fuel, alone or in combination with another fuel, if
- the fossil fuel combusted comprises more than fifty (50) percent of the annual heat input
- on a BTU basis during a year starting in 1995 or, if a unit had no heat input starting in
- 16 1995, during the last year of operation of the unit prior to 1995; or
- 17 (b) The combustion of fossil fuel, alone or in combination with another fuel, if
- the fossil fuel is projected to comprise more than fifty (50) percent of the annual heat
- 19 input on a BTU basis during a year, and the unit is to be fossil fuel fired as of the date
- 20 during the year the unit begins combusting fossil fuel.
- 21 (80) [(57)] "ft" means feet or foot.
- 22 (81) [(58)] "Fuel" means natural gas, petroleum, coal, wood, or a form of solid,
- 23 liquid, or gaseous fuel derived from these materials for the purpose of creating useful

- 1 heat.
- 2 (82) [(59)] "Fugitive emissions" means those emissions that [which] could not
- 3 reasonably pass through a stack, chimney, vent, or other functionally equivalent
- 4 opening.
- 5 (83) [(60)] "g" means gram.
- 6 (84) [(61)] "gal" means gallon.
- 7 (85) [(62)] "General fund" is defined in KRS 48.010(13)(a).
- 8 (86) [(63)] "Generator" means a device that produces electricity.
- 9 <u>(87)</u> [(64)] "gr" means grain.
- 10 (88) [(65)] "HCI" means hydrochloric acid.
- 11 (89) [(66)] "Heat input" means the product, [(]in MMBTU per unit of time, [)] of
- the gross calorific value of the fuel, [] in BTU per Ib,[] and the fuel feed rate into a
- combustion device, [(]in mass of fuel per unit of time, [)] that:
- 14 (a) Does not include the heat derived from preheated combustion air,
- 15 recirculated flue gases, or exhaust from other sources; and
- 16 (b) Is measured, recorded, and reported to the cabinet by the NOx authorized
- 17 account representative in accordance with 40 C.F.R. [CFR] 96.70 to 96.76.
- 18 (90) [(68)] "HF" means hydrogen fluoride.
- 19 <u>(91)</u> [(67)] "Hg" means mercury.
- 20 (92) "High terrain" means an area having an elevation of 900 feet or more
- 21 <u>above the base of the stack of a source.</u>
- 22 (93) [(69)] "hr" means hour.
- 23 (94) [(70)] "Hydrocarbon" means an organic compound consisting

- 1 predominantly of carbon and hydrogen.
- 2 (95) "Hydrocarbon combustion flare" means:
- 3 (a) A flare used to comply with an applicable New Source Performance
- 4 Standard (NSPS) or Maximum Achievable Control Technology (MACT) standard,
- 5 including uses of flares during startup, shutdown, or malfunction permitted under the
- 6 standard; or
- 7 (b) A flare that serves to control emissions of waste streams comprised
- 8 predominately of hydrocarbons and containing no more than 230 µg/dscm hydrogen
- 9 <u>sulfide</u>.
- 10 (96) [(71)] "H₂O" means water.
- 11 (97) [(72)] "H₂S" means hydrogen sulfide.
- 12 (98) [(73)] "H₂SO₄" means sulfuric acid.
- 13 (99) [(74)] "in" means inch.
- 14 (100) [(75)] "Incineration" means the process of igniting and burning solid,
- 15 semisolid, liquid, or gaseous combustible wastes.
- 16 (101) [(76)] "Industrial boiler or turbine" means a fossil fuel-fired boiler,
- 17 combustion turbine, or a combined cycle system having a maximum design heat input
- of 250 MMBTU per hour or more that is not an electric generating unit.
- 19 (102) "Innovative control technology" means a system of air pollution control that
- 20 has not been adequately demonstrated in practice, but will have a substantial likelihood
- 21 of achieving:
- 22 (a) Greater continuous emissions reduction than any control system in current
- 23 practice; or

- 1 (b) At least comparable reductions at lower cost in terms of energy, 2 economics, or non-air quality environmental impacts.
- 3 "Intermittent emissions" means emissions of particulate matter into (103) [(77)] 4 the open air from a process [] that [which] operates for less than any six (6) consecutive 5
- "J" means joule. 6 (104) [(78)]

minutes.

- 7 "Kg" means kilogram. (105) [(79)]
- 8 "I" means liter. (106) [(80)]
- 9 (107) [(81)] "lb" means pound.
- (108) "Legally enforceable" means the cabinet or the U.S. EPA has the authority 10 11 to enforce a certain restriction.
- 12 (109) [(82)] "Long dry kiln" means a kiln that employs no preheating of the feed 13 and has a dry inlet feed.
- 14 (110) [(83)] "Long wet kiln" means a kiln that employs no preheating of the feed 15 and the inlet feed to the kiln is a slurry.
- 16 (111) "Low terrain" means an area other than high terrain.
- 17 (112) "Lowest achievable emissions rate" or "LAER" means, for any source, the 18 more stringent rate of emissions based on:
- 19 The most stringent emissions limitation that is contained in the Kentucky <u>(a)</u> 20 SIP for the class or category of stationary source, unless the owner or operator of the 21 proposed stationary source demonstrates that the limitations are not achievable; or
- 22 The most stringent emissions limitation that is achieved in practice by the (b) 23 class or category of stationary sources.

1	<u>1.</u>	If this limitation	is applied	to a modification,	this is the lov	west achievable
2	emissions rat	<u>te for the new or</u>	r modified er	<u>nissions units at t</u>	he stationary s	source.

- 2. The application of this term does not permit a proposed new or modified
 stationary source to emit any pollutant in excess of the amount allowable under an
 applicable new source standard of performance.
- 6 (113) [(84)] "m" means meter.

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- 7 (114) [(85)] "m³" means cubic meter.
- 8 (115) "Major emissions unit" means:
- 9 (a) Any emissions unit that emits or has the potential to emit 100 tons per

 10 year or more of a PAL pollutant in an attainment area; or
 - (b) Any emissions unit that emits or has the potential to emit a PAL pollutant in an amount that is equal to or greater than the major source threshold for the PAL pollutant as defined by the Clean Air Act for nonattainment areas.
 - (116) "Major modification" means a physical change in or a change in the method of operation of a major stationary source that would result in a significant emissions increase and a significant net emissions increase of a regulated NSR pollutant.
- 18 (a) A significant emissions increase from any emissions units or net
 19 emissions increase at a major stationary source that is significant for volatile organic
 20 compounds is considered significant for ozone.
- 21 (b) A physical change or change in the method of operation does not include:
- 22 <u>1. Routine maintenance, repair and replacement;</u>
- 23 <u>2. Use of alternative fuel or raw material by reason of an order or a natural</u>

- 1 gas curtailment plan in effect under a federal act;
- 2 <u>3. Use of an alternative fuel at a steam generating unit to the extent that the</u>
- 3 <u>fuel is generated from municipal solid waste;</u>
- 4. Use of an alternative fuel or raw material by a stationary source that:
- 5 a. The source was capable of accommodating before January 6, 1975, for
- 6 401 KAR 51:017, or December 21, 1976, for 401 KAR 51:052; unless the change would
- 7 <u>be prohibited under a federally enforceable permit condition that was established after</u>
- 8 January 6, 1975, for 401 KAR 51:017, or December 21, 1976, for 401 KAR 51:052,
- 9 pursuant to 40 C.F.R. 51.165 or 51.166; or
- 10 <u>b.</u> The source is approved to use under a permit issued pursuant to 401 KAR
- 11 51:017 or 401 KAR 51:052;
- 12 5. An increase in the hours of operation or in the production rate, unless the
- 13 change is prohibited under any federally enforceable permit condition established after
- 14 January 6, 1975, for 401 KAR 51:017 or December 21, 1976, for 401 KAR 51:052
- 15 <u>pursuant to 40 C.F.R. 52.21; after June 6, 1979, pursuant to 401 KAR 51:015; after</u>
- 16 September 22, 1982, pursuant to 401 KAR 51:017; or under 401 KAR 52:020 and 401
- 17 KAR 51:016E;
- 18 6. A change in ownership at a stationary source;
- 19 <u>7. The addition, replacement or use of a pollution control project at an</u>
- 20 existing emissions unit meeting the requirements of 401 KAR 51:017, Section 22 or 401
- 21 KAR 51:052, Section 13, as applicable;
- 22 8. The installation, operation, cessation, or removal of a temporary clean
- 23 coal technology demonstration project, if the project complies with the Kentucky SIP

1	and other	requirements	necessary t	o attain	and r	<u>maintain</u>	the	national	ambient	air	quality
		-	-								

- 2 <u>standards during the project and after it is terminated;</u>
- 3 <u>9. The installation or operation of a permanent clean coal technology</u>
- 4 <u>demonstration project that constitutes repowering, if the project does not result in an</u>
- 5 increase in the potential to emit of a regulated pollutant emitted by the unit, on a
- 6 pollutant-by-pollutant basis; or
- 7 <u>10.</u> The reactivation of a very clean coal-fired electric utility steam generating
- 8 unit.
- 9 (117) "Major NSR permit" means a permit issued under Kentucky's PSD or NSR
- 10 program.
- 11 (118) [(86)] "Major source" means a source of an air pollutant with a [which the]
- potential emission rate [is] equal to or greater than 100 tons per year of any one (1) of
- 13 the following pollutants: particulate matter, sulfur oxides, nitrogen oxides, volatile
- organic compounds, [or] carbon monoxide, or ODS.
- 15 (119) "Major source baseline date" means:
- 16 (a) For particulate matter and sulfur dioxide, January 6, 1975; and
- 17 (b) For nitrogen dioxide, February 8, 1988.
- 18 (120)(a) "Major stationary source" means:
- 19 <u>1a.</u> A stationary source of air pollutants that emits, or has the potential to emit
- 20 100 tons per year or more of a regulated NSR pollutant; or
- 21 b. For the PSD program, any of the following stationary sources of air
- 22 pollutants that emits, or has the potential to emit, 100 tons per year or more of a
- 23 regulated NSR pollutant: fossil fuel-fired steam electric plants of more than 250 million

- 1 BTU per hour heat input, coal cleaning plants with thermal dryers, kraft pulp mills, 2 portland cement plants, primary zinc smelters, iron and steel mill plants, primary 3 aluminum ore reduction plants, primary copper smelters, municipal incinerators capable 4 of charging more than 250 tons of refuse per day, hydrofluoric, sulfuric, and nitric acid 5 plants, petroleum refineries, lime plants, phosphate rock processing plants, coke oven 6 batteries, sulfur recovery plants, carbon black plants (furnace process), primary lead 7 smelters, fuel conversion plants, sintering plants, secondary metal production plants, 8 chemical process plants, fossil fuel boilers, or combination of fossil fuel boilers, totaling 9 more than 250 million BTU per hour heat input, petroleum storage and transfer units 10 with a total storage capacity exceeding 300,000 barrels, taconite ore processing plants, 11 glass fiber processing plants, and charcoal production plants;
- 12 <u>2. Notwithstanding the stationary source size specified in subparagraph 1b of</u>
 13 <u>this paragraph, a stationary source which emits, or has the potential to emit, 250 tons</u>
 14 <u>per year or more of a regulated NSR pollutant; or</u>
 - 3. Any physical change that will occur at a stationary source not otherwise qualifying under this subsection as a major stationary source, if the change will constitute a major stationary source by itself.
 - (b) A major stationary source that is major for volatile organic compounds is considered major for ozone.
- 20 (c) The fugitive emissions of a stationary source are not included in 21 determining if the source is a major stationary source, unless the source belongs to one 22 (1) of the following categories of stationary sources:
 - Coal cleaning plants with thermal dryers;

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1 <u>2.</u> Kraft pulp mills; 2 3. Portland cement plants; 3 Primary zinc smelters; 4. 4 <u>5.</u> Iron and steel mills; 5 Primary aluminum ore reduction plants; <u>6.</u> 6 7. Primary copper smelters; 7 8. Municipal incinerators capable of charging more than 250 tons of refuse 8 per day; 9 Hydrofluoric, sulfuric, or nitric acid plants; 9. 10 <u>10.</u> Petroleum refineries; 11 11. Lime plants; 12 12. Phosphate rock processing plants; 13 13. Coke oven batteries; 14 <u>14.</u> Sulfur recovery plants; 15 15. Carbon black plants (furnace process); 16 Primary lead smelters; 16. 17 17. Fuel conversion plants; 18 18. Sintering plants; 19 <u> 19.</u> Secondary metal production plants; 20 20. Chemical process plants; 21 Fossil-fuel boilers, or combination of fossil-fuel boilers, totaling more than 21. 22 250 million BTUs per hour heat input; Petroleum storage and transfer units with a total storage capacity 23 <u>22.</u>

1	exceeding 300,000 barrels;
2	23. Taconite ore processing plants;
3	24. Glass fiber processing plants;
4	25. Charcoal production plants;
5	26. Fossil fuel-fired steam electric plants of more than 250 million BTUs pe
6	hour heat input; and
7	27. Any stationary source category that, as of August 7, 1980, is being
8	regulated under 42 U.S.C. 7411 or 7412.
9	(121) [(87)] "Malfunction" means a sudden and infrequent failure of air pollution
10	control equipment, process equipment, or a process to operate in a normal or usua
11	manner that is not caused entirely or in part by poor maintenance, careless operation
12	or other upset condition or equipment breakdown that could have been reasonably
13	prevented.
14	(122) "Mandatory Class I area" means an area identified in 40 C.F.R. 81
15	Subpart D, if the administrator of the U.S. EPA, in consultation with the Secretary of the
16	United States Department of Interior, has determined visibility to be an important value.
17	(123) [(88)] "Marginal nonattainment county" or "marginal nonattainment area
18	means a county or portion of a county designated marginal nonattainment for the one
19	(1) hour national ambient air quality standard for ozone in 401 KAR 51:010.
20	(124) [(89)] "Maximum design heat input" means the ability of a unit to combus
21	a stated maximum amount of fuel per hour on a steady state basis, as determined by
22	the physical design and physical characteristics of the unit.

(125) [(90)] "Maximum potential hourly heat input" means an hourly heat input

- used for reporting purposes when a unit lacks certified monitors to report heat input andis:
- 3 (a) Value calculated according to 40 <u>C.F.R.</u> [CFR] Part 75 using the 4 maximum fuel flow rate and the maximum gross calorific value, if the unit intends to use 5 40 <u>C.F.R.</u> [CFR] Part 75, Appendix D to report heat input; or

- (b) Value reported according to 40 <u>C.F.R.</u> [CFR] Part 75 using the maximum potential flow rate and either the maximum percent CO₂ concentration (in percent CO₂) or the minimum percent O₂, if the unit intends to use a flow monitor and a diluent gas monitor.
- (126) [(91)] "Maximum potential NOx emission rate" means the emission rate of NOx (in lb per MMBTU) calculated according to 40 <u>C.F.R.</u> [CFR] 75, Appendix F, Section 3, using the maximum potential NOx concentration as defined in 40 <u>C.F.R.</u> [CFR] 75, Appendix A, Section 2, and the maximum percent O₂ or the minimum percent CO₂ under all operating conditions of the unit except for unit startup, shutdown, and malfunction.
- (127) [(92)] "Maximum rated hourly heat input" means a unit specific maximum hourly heat input (MMBTU) which is the higher of the manufacturer's maximum rated hourly heat input or the highest observed hourly heat input.
- (128) [(93)] "Mid-kiln firing " means the secondary firing in kilns by injecting solid fuel at an intermediate point in the kiln using a specially designed feed injection mechanism for the purpose of decreasing NOx emissions through:
- (a) Burning part of the fuel at a lower temperature; and
- (b) Reducing-conditions at the solid waste injection point that may destroy

- 1 some of the NOx formed upstream in the kiln burning zone.
- 2 (129) [(94)] "min" means minute.
- 3 (130)(a) "Minor source baseline date" means the earliest date after the
- 4 trigger date on which a major stationary source or a major modification subject to 40
- 5 <u>C.F.R. 52.21 or to regulations approved under 40 C.F.R. 51.166 submits a complete</u>
- 6 application under the relevant regulations:
- 7 <u>1. For particulate matter and sulfur dioxide, the trigger date is August 7,</u>
- 8 1977; and
- 9 <u>2. For nitrogen dioxide, the trigger date is February 8, 1988.</u>
- 10 (b) A minor source baseline date established originally for the TSP
- 11 <u>increments remains in effect to determine the amount of available PM₁₀ increments,</u>
- 12 <u>except that the cabinet may rescind the minor source baseline date if it is shown, to the</u>
- 13 <u>satisfaction of the cabinet, that the emissions increase from the major modification</u>
- 14 <u>responsible for triggering that date did not result in a significant amount of PM₁₀</u>
- 15 emissions.
- 16 (c) The baseline date is established for each pollutant for which increments or
- 17 other equivalent measures have been established if:
- 18 <u>1. The area in which the proposed source or modification will construct is</u>
- designated as attainment or unclassifiable pursuant to 42 U.S.C. 7404(d)(1)(A)(ii) or (iii)
- 20 for the pollutant on the date of its complete application under the relevant regulations;
- 21 and
- 22 <u>2.</u> For a major stationary source, the pollutant will be emitted in significant
- amounts or a significant net emissions increase of the pollutant will occur for a major

- 1 modification.
- 2 (131) [(95)] "mg" means milligram.
- 3 (132) [(96)] "µg" means microgram.
- 4 (133) [(97)] "MJ" means megajoules.
- 5 (134) [(98)] "MM" means million.
- 6 (135) [(99)] "mm" means millimeter.
- 7 (136) [(100)] "mo" means month.
- 8 (137) [(101)] "Moderate nonattainment county" or "moderate nonattainment 9 area" means a county or portion of a county designated moderate nonattainment for the 10 one (1) hour national ambient air quality standard for ozone in 401 KAR 51:010.
- 11 (138) [(102)] "Modification" means a physical change in, or a change in the 12 method of operation of, an affected facility that [which]:
 - (a) Increases the amount of a regulated air pollutant [{]to which a standard applies[}] emitted into the atmosphere by that facility or that [which] results in the emission of a regulated air pollutant into the atmosphere not previously emitted; and
- 16 (b) Is not solely:

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- Maintenance, repair, or replacement that the cabinet determines to be routine for a source category;
- 2. An increase in production rate of an affected facility, if that increase can be accomplished without a capital expenditure on that facility;
 - An increase in the hours of operation;
- 4. Use of an alternative fuel or raw material if, prior to the date a standard becomes applicable to that source type, the affected facility was designed to

- 1 accommodate that alternative use. A facility is [shall be] considered to be designed to
- 2 accommodate an alternative fuel or raw material if that use could be accomplished
- 3 under the facility's construction specifications as amended prior to the change;
- 4 5. Conversion to coal required for energy considerations, as specified in 42
- 5 <u>U.S.C.</u> [USC] 7411(a)(8);
- 6. The addition or use of a system or device whose primary function is the
- 7 reduction of air pollutants, unless an emission control system is removed or is replaced
- 8 by a system which the cabinet determines to be less environmentally beneficial; or
- 9 7. The relocation or change in ownership of a source.
- 10 (139) [(103)] "Monitoring device" means the total equipment, required in
- 11 applicable administrative regulations, used to measure and record [(if applicable)]
- 12 process parameters.
- 13 (140) [(104)] "Monitoring system" means a monitoring system that meets the
- 14 requirements of 40 C.F.R. [CFR] Part 96.
- 15 (141) [(105)] "MWe" means megawatt electrical.
- 16 $(142) [\frac{(106)}{100}]$ "N₂" means nitrogen.
- 17 (143) [(107)] "Nameplate capacity" means the maximum electrical generating
- output (in MWe) that a generator can sustain over a specified period of time if not
- 19 restricted by seasonal or other deratings as measured with United States Department of
- 20 Energy standards.
- 21 (144) "Natural conditions" means those naturally occurring phenomena that
- reduce visibility as measured in terms of visual range, contrast, or coloration.
- 23 (145) "Necessary preconstruction approvals or permits" means those permits or

- 1 approvals required under the administrative regulations approved to the Kentucky SIP
- 2 <u>and federal air quality control laws and regulations.</u>
- 3 (146)(a) "Net emissions increase" means, for any regulated NSR pollutant
- 4 emitted by a major stationary source, the amount by which the sum of subparagraphs 1
- 5 and 2 of this paragraph exceeds zero:
- 6 1. An increase in emissions from a particular physical change or change in
- 7 method of operation at a stationary source as calculated pursuant to 401 KAR 51:017,
- 8 Section 1(4) or 401 KAR 51:052, Section 1(3); and
- 9 <u>2. Any other increases and decreases in actual emissions at the major</u>
- 10 stationary source that are contemporaneous with the particular change and are
- 11 <u>otherwise creditable.</u>
- 12 (b) An increase or decrease in actual emissions is contemporaneous with the
- increase from the particular change only if:
- 14 <u>1. For construction that commences prior to January 6, 2002, the change</u>
- 15 <u>occurs between the date ten (10) years before construction on the change commences.</u>
- and the date that the increase from the change occurs; and
- 17 2. For construction that commences on and after January 6, 2002, the
- 18 <u>change occurs between the date five (5) years before construction on the change</u>
- 19 <u>commences</u>, and the date that the increase from the change occurs.
- 20 (c) An increase or decrease in actual emissions is creditable only if:
- 21 <u>1. The cabinet or the U.S. EPA has not relied on the change in issuing a</u>
- 22 permit for the source pursuant to 401 KAR 51:017, 401 KAR 51:052, or 40 C.F.R.
- 23 52.21;

1	<u>2.</u>	The permit is in effect at the time the increase or decrease in actua
2	emissions from the particular change occurs; and	
3	<u>3.</u>	The increase or decrease in emissions did not occur at a Clean Unit
4	except as p	provided in 401 KAR 51:017, Sections 20(7) or 21(9) or 401 KAR 51:052
5	Sections 11(7) or 12(9).	
6	<u>(d)</u>	An increase or decrease in actual emissions of sulfur dioxide, particulate
7	matter, or nitrogen oxides that occurs before the applicable minor source baseline date	
8	is creditable only if it is required to be considered in calculating the amount of maximum	
9	allowable in	ncreases remaining available. For particulate matter, only PM ₁₀ emissions
10	are used to evaluate the net emissions increase for PM ₁₀ .	
11	<u>(e)</u>	An increase in actual emissions is creditable only to the extent that the
12	new level of	f actual emissions exceeds the old level.
13	<u>(f)</u>	A decrease in actual emissions is creditable only to the extent that:
14	<u>1.</u>	The old level of actual emissions or the old level of allowable emissions
15	whichever is lower, exceeds the new level of actual emissions;	
16	<u>2.</u>	The decrease is enforceable as a practical matter at and after the time
17	that actual construction on the particular change begins;	
18	<u>3.</u>	The decrease has approximately the same qualitative significance for
19	public healt	h and welfare as that attributed to the increase from the particular change
20	<u>and</u>	
21	<u>4.</u>	The decrease did not result from the installation of add-on contro
22	technology	or application of pollution prevention practices that were relied on in

designating an emissions unit as a Clean Unit under 40 C.F.R. 52.21(y) or under

- 1 administrative regulation approved pursuant to 40 C.F.R. 51.166(u) or 51.165(d).
- 2 (g) An increase that results from a physical change at a source occurs if the
- 3 <u>emissions unit on which construction occurred becomes operational and begins to emit</u>
- 4 <u>a particular pollutant</u>. A replacement unit that requires shakedown becomes operational
- 5 only after a reasonable shakedown period, not to exceed 180 days.
- 6 (h) The term, actual emissions, as defined in subsection 2 of this section does
- 7 <u>not apply in determining creditable increases and decreases.</u>
- 8 (147) [(108)] "New source" means a source, the construction, reconstruction, or
- 9 modification of which commenced on or after the classification date as defined in the
- applicable administrative regulation, irrespective of a change in emission rate.
- 11 (148) [(109)] "Nitrogen oxides" means all oxides of nitrogen except nitrous oxide,
- 12 as measured by test methods specified by the cabinet.
- 13 (149) [(110)] "ng" means nanograms.
- 14 (150) [(111)] "NO" means nitric oxide.
- 15 (151) [(112)] "NO₂" means nitrogen dioxide.
- 16 (152) "Nonattainment major new source review program" or "NSR program"
- means a major source preconstruction permit program that has been approved by the
- 18 U.S. EPA and incorporated into the Kentucky SIP to implement the requirements of 40
- 19 <u>C.F.R. 51.165 and 40 C.F.R. Part 51, Appendix S.</u>
- 20 (153) [(113)] "NOx" means nitrogen oxides.
- 21 (154) [(114)] "NOx allowance" means an authorization to emit one (1) ton of NOx
- 22 during a control period under the NOx Budget Trading Program.
- 23 (155) [(115)] "NOx Allowance Tracking System (NATS)" means the system by

- 1 which the U.S. EPA records allocations, deductions, and transfers of NOx allowances
- 2 under the NOx Budget Trading Program.
- 3 (156) [(116)] "NOx authorized account representative" means the natural person
- 4 who is authorized by the owner or operator to:
- 5 (a) Represent and legally bind the owner and operator in all matters
- 6 pertaining to the NOx Budget Trading Program in accordance with 40 C.F.R. [CFR] 96,
- 7 Subpart B for a NOx budget source and all NOx budget units at the source; and
- 8 (b) Transfer or otherwise dispose of NOx allowances held in the general
- 9 account in accordance with 40 <u>C.F.R.</u> [CFR] 96, Subpart F, for a general account.
- 10 (157) [(117)] "NOx budget emissions limitation" means, for a NOx budget unit,
- 11 the tonnage equivalent of the NOx allowances available for compliance deduction for
- 12 the unit and for a control period under 401 KAR 51:160 adjusted by deductions of
- 13 sufficient NOx allowances to account for:
- 14 (a) Actual utilization under 40 <u>C.F.R.</u> [CFR] 96.42(e) for the control period;
- 15 (b) Excess NOx emissions for a prior control period under 40 <u>C.F.R.</u> [CFR]
- 16 96.54(d);
- 17 (c) Withdrawal from the NOx budget program under 40 C.F.R. [CFR] 96.86;
- 18 or
- 19 (d) A change in regulatory status for a NOx budget opt-in source under 40
- 20 <u>C.F.R.</u> [CFR] 96.87.
- 21 (158) [(118)] "NOx budget opt-in source" means an affected facility that has
- 22 elected to become a NOx budget unit under the NOx Budget Trading Program and
- whose NOx budget opt-in permit has been issued and is in effect.

- 1 (159) [(119)] "NOx budget source" means a source that includes one (1) or more
 2 NOx budget units.
- 3 (160) [(120)] "NOx Budget Trading Program" means the multistate NOx air 4 pollution control and emission reduction program established and administered by the 5 U.S. EPA under 40 <u>C.F.R.</u> [CFR] 51.121 or 52.34, as a means of mitigating the 6 interstate transport of O₃, O₃ precursors, and NOx.
- 7 (161) [(121)] "NOx budget unit" means a unit that is subject to the NOx Budget 8 Trading Program emissions limitation under 401 KAR 51:160 or 40 C.F.R. [CFR] 96.80.
 - (162) [(122)] "NOx budget unit operator" means a person who operates, controls, or supervises a NOx budget unit, a NOx budget source, or a unit for which an application for a NOx budget opt-in permit under 401 KAR 51:195 is submitted and not denied or withdrawn and includes a holding company, utility system, or plant manager of a NOx budget unit or source.
- 14 (163) [(123)] "NOx budget unit owner" means:

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- 15 (a) A holder of a portion of the legal or equitable title in a NOx budget unit or 16 in a unit for which an application for a NOx budget opt-in permit under 401 KAR 51:195 17 is submitted and not denied or withdrawn;
 - (b) A holder of a leasehold interest in a NOx budget unit or in a unit for which an application for a NOx budget opt-in permit under 401 KAR 51:195 is submitted and not denied or withdrawn;
 - (c) A purchaser of power from a NOx budget unit or from a unit for which an application for a NOx budget opt-in permit under 401 KAR 51:195 is submitted and not denied or withdrawn under a life-of-the-unit, firm power contractual arrangement.

- 1 However, unless expressly provided for in a leasehold agreement, NOx budget unit
- 2 owner shall not include a passive lessor, or a person who has an equitable interest
- 3 through the lessor, whose rental payments are not based, either directly or indirectly,
- 4 upon the revenues or income from the NOx budget unit or the unit for which an
- 5 application for a NOx budget opt-in permit under 401 KAR 51:195 is submitted and not
- 6 denied or withdrawn; or
- 7 (d) For any general account, a person who has an ownership interest with
- 8 respect to the NOx allowances held in the general account and who is subject to the
- 9 binding agreement for the NOx authorized account representative to represent that
- 10 person's ownership.
- 11 (164) $[\frac{(124)}{(124)}]$ "O₂" means oxygen.
- 12 (165) [(125)] "O₃" means ozone.
- 13 (166) [(126)] "Opacity" means the degree to which emissions reduce the
- transmission of light and obscure the view of an object in the background.
- 15 (167) [(127)] "Operating" means, for a NOx budget unit, having documented heat
- 16 input for more than 876 hours in the six (6) months immediately preceding the
- 17 submission of an application for an initial NOx budget permit.
- 18 (168) [(128)] "Operator" means, for a NOx budget unit, any person who
- operates, controls, or supervises a NOx budget unit, a NOx budget source, or unit for
- 20 which an application for a NOx budget opt-in permit is submitted and not denied or
- 21 withdrawn, and includes [. The operator shall include] any holding company, utility
- 22 system, or plant manager of the unit or source.
- 23 (169) [(129)] "Opt-in" means to be elected to become a NOx budget unit under

1 the NOx Budget Trading Program through a final NOx budget opt-in permit.

- 2 (170) [(130)] "Owner" means, for a NOx budget unit, the following persons:
- 3 (a) A holder of any portion of the legal or equitable title in a NOx budget unit 4 or in a unit for which an application for a NOx budget opt-in permit under 40 <u>C.F.R.</u> 5 [CFR] Part 96.83 is submitted and not denied or withdrawn;
 - (b) A holder of a leasehold interest in a NOx budget unit or in a unit for which an application for a NOx budget opt-in permit under 40 <u>C.F.R.</u> [CFR] Part 96.83 is submitted and not denied or withdrawn:
 - application for a NOx budget opt-in permit under 40 <u>C.F.R.</u> [CFR] Part 96.83 is submitted and not denied or withdrawn under a life-of-the-unit, firm power contractual arrangement. However, unless expressly provided for in a leasehold agreement, owner <u>does</u> [shall] not include a passive lessor, or a person who has an equitable interest through the lessor, whose rental payments are not based upon the revenues or income from the NOx budget unit or the unit for which an application for a NOx budget opt-in permit under 40 <u>C.F.R.</u> [CFR] Part 96.83 is submitted and not denied or withdrawn; or
 - (d) With respect to a general account, a person who has an ownership interest with respect to NOx allowances held in the general account and who is subject to the binding agreement for the NOx authorized account representative to represent that person's ownership interest with respect to NOx allowances.
 - (171) [(131)] "Owner or operator" means a person who owns, leases, operates, controls, or supervises an affected facility or a source to which an affected facility is a part.

1	(172) [(132)]	"oz" means ounce.
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- 2 (173) "Ozone depleting potential" or "ODP" means the ratio of the total amount
- 3 of ozone destroyed by a fixed amount of an ozone depleting substance to the amount of
- 4 ozone destroyed by the same mass of trichloroflouromethane, CFC-11; i.e., the ODP of
- 5 CFC-11 equals 1.0.
- 6 (174) "Ozone depleting substance" or "ODS" means any chemical compound
- 7 regulated under 40 C.F.R. Part 82 with decay products, after the photolysis of the ODS
- 8 by short-wave ultraviolet light, that are able to catalyze the destruction of stratospheric
- 9 <u>ozone</u>.
- 10 (175) "PAL effective date" means:
- 11 (a) The date of issuance of the PAL permit; or
- 12 (b) For an increased PAL, the date any emissions unit that is part of the PAL
- major modification becomes operational and begins to emit the PAL pollutant.
- 14 (176) "PAL effective period" means the period beginning with the PAL effective
- 15 <u>date and ending ten (10) years later.</u>
- 16 (177) "PAL major modification" means any physical change in or a change in the
- 17 method of operation of the PAL source that causes it to emit the PAL pollutant at a level
- 18 equal to or greater than the PAL.
- 19 (178) "PAL permit" means the permit issued by the cabinet that establishes a
- 20 PAL for a major stationary source.
- 21 (179) "PAL pollutant" means the pollutant for which a PAL is established at a
- 22 major stationary source.
- 23 (180) [(133)] "Particulate matter" means a material, except uncombined water [-]

- that [which] exists in a finely divided form as a liquid or a solid as measured by the
 appropriate approved test method.
- (181) [(134)] "Particulate matter emissions" means, except as used in 40 <u>C.F.R.</u>
 [CFR] 60, all finely divided solid or liquid material, other than uncombined water, emitted to the ambient air as measured by applicable reference methods, or an equivalent or alternative method specified in 40 <u>C.F.R.</u> [CFR] Chapter I, or by a test method specified in the approved state implementation plan.
- 8 (182) [(135)] "Peak load" means the maximum instantaneous operating load.
 - (183) [(136)] "Permitted capacity factor" means the annual permitted fuel use divided by the manufacturer's specified maximum fuel consumption multiplied by 8,760 hours per year.
- 12 (184) [(137)] "Person" is defined by KRS 224.01-010(17).

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- 13 (185) "Plantwide applicability limitation" or "PAL" means an emission limitation,

 14 expressed in tons per year, for a pollutant at a major stationary source, that is

 15 enforceable as a practical matter and is established source-wide in accordance with 401

 16 KAR 51:017, Section 23 or 401 KAR 51:052, Section 14.
 - (186) [(138)] "PM10" means particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers as measured by a reference method based on 40 C.F.R. [CFR] 50, Appendix J and designated in accordance with 40 C.F.R. [CFR] 53, or by an equivalent method designated in accordance with 40 C.F.R. [CFR] 53.
- 22 (187) [(139)] "PM10 emissions" means finely divided solid or liquid material with 23 an aerodynamic diameter less than or equal to a nominal ten (10) micrometers emitted

- 1 to the ambient air as measured by an applicable reference method, or an equivalent or
- 2 alternative method, specified in 40 <u>C.F.R.</u> [CFR] Chapter I, or by a test method specified
- 3 in the approved state implementation plan.
- 4 (188) "Pollution control project" or "PCP" means an activity, set of work
- 5 practices, or project, including pollution prevention, undertaken at an existing emissions
- 6 unit that reduces emissions of air pollutants from that unit in accordance with 401 KAR
- 7 51:017, Section 22 or 401 KAR 51:052, Section 13. Qualifying activities or projects
- 8 <u>include:</u>
- 9 (a) Conventional or advanced flue gas desulfurization or sorbent injection for
- 10 control of SO₂;
- 11 (b) Electrostatic precipitators, baghouses, high efficiency multiclones, or
- 12 scrubbers for control of particulate matter or other pollutants;
- 13 (c) Flue gas recirculation, low-NOx burners or combustors, selective non-
- 14 <u>catalytic reduction, selective catalytic reduction, low emission combustion for internal</u>
- 15 combustion (IC) engines, and oxidation-absorption catalyst for control of NOx;
- 16 (d) Regenerative thermal oxidizers, catalytic oxidizers, condensers, thermal
- 17 incinerators, hydrocarbon combustion flares, biofiltration, absorbers and adsorbers, and
- 18 floating roofs for storage vessels for control of VOCs or HAPs;
- 19 (e) An activity or project to accommodate switching, or partially switching, to
- an inherently less polluting fuel, to be limited to the following:
- 21 <u>1. Switching from a heavier grade of fuel oil to a lighter fuel oil, or any grade</u>
- 22 of oil to five one-hundredths (0.05) percent sulfur diesel;
- 23 <u>2. Switching from coal, oil, or any solid fuel to natural gas, propane, or</u>

- 1 gasified coal;
- 2 <u>3. Switching from coal to wood, excluding construction or demolition waste,</u>
- 3 <u>chemical or pesticide treated wood, and other forms of unclean wood;</u>
- 4 <u>4.</u> <u>Switching from coal to #2 fuel oil with a five-tenths (0.5) percent maximum</u>
- 5 <u>sulfur content; and</u>
- 6 5. Switching from high sulfur coal to low sulfur coal with a maximum one and
- 7 <u>two-tenths (1.2) percent sulfur content; and</u>
- 8 <u>(f)</u> Activities or projects undertaken to accommodate switching from the use
- 9 of one ozone depleting substance (ODS) to the use of a substance with a lower or zero
- 10 <u>ozone depletion potential (ODP), including changes to equipment needed to</u>
- 11 accommodate an activity or project described in subparagraphs 1 and 2 of this
- 12 paragraph.
- 13 <u>1. The productive capacity of the equipment is not increased as a result of</u>
- 14 the activity or project; and
- 15 <u>2.</u> The projected usage of the new substance is lower, on an ODP-weighted
- basis, than the baseline usage of the replaced ODS, determined by:
- 17 a. Determining the ODP of the substances by consulting 40 C.F.R. Part 82,
- 18 Subpart A, Appendices A and B;
- 19 <u>b.</u> <u>Calculating the replaced ODP-weighted amount by multiplying the</u>
- 20 baseline actual usage, using the annualized average of any twenty-four (24)
- 21 consecutive months of usage within the past ten (10) years, by the ODP of the replaced
- 22 ODS:
- 23 <u>c.</u> <u>Calculating the projected ODP-weighted amount by multiplying the</u>

- 1 projected annual usage of the new substance by its ODP; and
- 2 <u>d. If the value calculated in clause b of this subparagraph is more than the</u>
- 3 value calculated in clause c of this subparagraph, then the projected use of the new
- 4 <u>substance is lower, on an ODP-weighted basis, than the baseline usage of the replaced</u>
- 5 ODS.
- 6 (189) "Pollution prevention" means any activity that through process changes,
- 7 product reformulation or redesign or substitution of less polluting raw materials,
- 8 eliminates or reduces the release of air pollutants to the environment, including fugitive
- 9 emissions, prior to recycling, treatment, or disposal and does not include recycling,
- 10 other than certain in-process recycling practices, energy recovery, treatment, or
- 11 <u>disposal.</u>
- 12 (190) [(140)] "Portland cement" means a hydraulic cement produced by
- 13 pulverizing clinker consisting essentially of hydraulic calcium silicates.
- 14 (191) [(141)] "Portland cement kiln" means a system, including solid, gaseous or
- 15 liquid fuel combustion equipment, used to calcine and fuse raw materials, including
- 16 limestone and clay, to produce Portland cement clinker.
- 17 (192) [(142)] "Potential to emit" or "PTE" means:
- 18 (a) The maximum capacity of a stationary source to emit a regulated air
- 19 pollutant given its physical and operational design, where:
- 20 1. A physical or operational limitation on the capacity of a source to emit an
- 21 air pollutant, including air pollution control equipment and restrictions on hours of
- 22 operation or on the type or amount of material combusted, stored, or processed is [shall
- 23 be treated as part of its design if the limitation is enforceable as a practical matter; and

1	2.	This	definition	does	not	alter	or	affect	the	use	of	this	term	for	other
2	purposes of t	he Ac	ct or the te	rm "ca	pacit	y fact	or"	as use	d in t	the A	cid	Rain	Prog	ram.	ı

- (b) For the PSD and NSR programs, the maximum capacity of a stationary
 source to emit a pollutant under its physical or operational design, where:
- A physical or operational limitation on the capacity of the source to emit a
 pollutant, including air pollution control equipment and restrictions on hours of operation
 or on the type or amount of material combusted, stored, or processed, is treated as part
 of its design if the limitation or the effect it would have on emissions:
- 9 <u>a. Is federally enforceable; or</u>
- b. For an actuals PAL, is federally enforceable or enforceable as a practical
 matter; and
- 12 <u>2. Secondary emissions are not counted.</u>
- 13 $\underline{(193)}$ [$\underline{(143)}$] "ppb" means parts per billion.
- 14 (194) [(144)] "ppm" means parts per million.

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- 15 (195) [(145)] "ppm(w/w)" means parts per million (weight by weight).
- 16 (196) [(146)] "Precalciner kiln" means a kiln where the feed to the kiln system is
 17 preheated in cyclone chambers and utilizes a second burner to calcine material in a
 18 separate vessel attached to the preheater prior to the final fusion in a kiln that [which]
 19 forms clinker.
 - (197) "Predictive emissions monitoring system" or "PEMS" means all of the equipment necessary to monitor process and control device operational parameters, such as control device secondary voltages and electric currents, and other information, such as gas flow rate, ozone or carbon dioxide concentrations, and to calculate and

1	record	the	mass	emissions	rate or	ı a	continuous	basis.

- 2 (198) [(147)] "Preheater kiln" means a kiln where the feed to the kiln system is
- 3 preheated in cyclone chambers prior to the final fusion in a kiln that [which] forms
- 4 clinker.
- 5 (199) "Prevention of Significant Deterioration Program" or "PSD Program"
- 6 means a major source preconstruction program that has been approved by the U.S.
- 7 EPA and incorporated into the Kentucky SIP to implement the requirements of 40
- 8 C.F.R. 51.166 or 52.21.
- 9 (200) "Primary pollutant" means a regulated NSR pollutant for which a pollution
- 10 <u>control project is undertaken to reduce emissions of that pollutant.</u>
- 11 (201) "Project" means a physical change in or change in method of operation of
- 12 <u>an existing major stationary source.</u>
- 13 (202) "Projected actual emissions" means:
- 14 (a) The maximum annual rate, in tons per year, at which an existing
- emissions unit is projected to emit a regulated NSR pollutant in any one of the five (5)
- 16 <u>years, in a twelve (12) month period, following the date the unit resumes regular</u>
- operation after the project, or in any one (1) of the ten (10) years following that date, if:
- 18 <u>1. The project involves increasing the emissions unit's design capacity or its</u>
- 19 potential to emit the regulated NSR pollutant; and
- 20 2. Full utilization of the unit would result in a significant emissions increase or
- 21 a significant net emissions increase at the major stationary source.
- 22 (b) To determine projected actual emissions, before beginning actual
- construction, the owner or operator of the major stationary source:

1	<u>1a.</u>	Considers all relevant information, including historical operational data and
2	the compan	y's own representations of expected and highest projected business activity
3	filings with t	the cabinet and the U.S. EPA; and compliance plans under the Kentucky
4	SIP;	
5	<u>b.</u>	Includes fugitive emissions and emissions associated with startups
6	shutdowns,	and malfunctions; and
7	<u>C.</u>	Excludes, in calculating any increase in emissions that results from a
8	project, that	portion of the unit's emissions following the project that an existing unit
9	could have	accommodated during the consecutive twenty-four (24) month period used
10	to establish	the baseline actual emissions and that are also unrelated to the project
11	including an	y increased utilization due to product demand growth; or
12	<u>2.</u>	Elects to use the emissions unit's potential to emit, in tons per year
13	instead of	using subparagraph 1 of this paragraph to determine projected actua
14	emissions.	
15	(203)	[(148)] "psia" means pounds per square inch absolute.
16	(204)	[(149)] "psig" means pounds per square inch gauge.
17	(205)	"RACT/BACT/LAER Clearinghouse" or "RBLC" means a collection or
18	RACT/BACT	T/LAER technologies maintained on-line by the U.S. EPA.
19	(206)	"Reactivation of a very clean coal-fired EUSGU" means a physical change
20	or change	in the method of operation associated with the commencement of
21	commercial	operations by a coal-fired utility unit after a period of discontinued operation

401 KAR 51:001

Has not been in operation for the two (2) year period between November

if the unit:

<u>(a)</u>

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1	<u>15,</u>	1988,	and	Noveml	ber 1	5, 1	990,	and	the	emissions	from	that	unit	continue	to	be
			•			•	•	•	•			•				
2	carr	ried in	the K	entucky	emis	sion	s inv	entor	y aft	er Novemb	er 15	, 199	0;			

- (b) Was equipped prior to shutdown with a continuous system of emissions control achieving a removal efficiency for sulfur dioxide of no less than eighty-five (85) percent and a removal efficiency for particulates of no less than ninety-eight (98) percent;
- 7 (c) Is equipped with low-NOx burners prior to the time of commencement of 8 operations following reactivation; and
- 9 (d) Is otherwise in compliance with the requirements of 42 U.S.C. 7401 to 10 7671q.
 - (207) "Reasonable further progress" means annual incremental reductions in emissions of the relevant air pollutant as required by 42 U.S.C. 7501 to 7515 or may reasonably be required by the U.S. EPA for the purpose of ensuring the attainment of the applicable ambient air quality standard by the applicable date specified.
 - (208) [(150)] "Reconstruction" means the replacement of components of an existing affected facility to the extent that:
 - (a) The fixed capital cost of the new components exceeds fifty (50) percent of the fixed capital cost that would be required to construct a comparable entirely new affected facility; and
 - (b) It is technologically and economically feasible to meet the applicable requirements of 401 KAR Chapters 50 to 65.
- 22 (209) [(151)] "Reference method" means a method of sampling and analyzing for 23 an air pollutant as prescribed by 40 <u>C.F.R.</u> [CFR] 50, Appendices A to N; 40 <u>C.F.R.</u>

- 1 [CFR] 60, Appendices A and B; and 40 C.F.R. [CFR] 61, Appendix B.
- 2 (210) "Regulated NSR pollutant" means the following:
- 3 (a) A pollutant for which a national ambient air quality standard has been
- 4 promulgated and any constituents or precursors for such pollutants identified by the
- 5 U.S. EPA;
- 6 (b) A pollutant that is subject to any standard promulgated under 41 U.S.C.
- 7 <u>7411;</u>
- 8 (c) A pollutant that is subject to a standard promulgated under or established
- 9 by 42 U.S.C. 7671 to 7671q; or
- 10 (d) A pollutant that otherwise is subject to regulation under 42 U.S.C. 7401 to
- 11 7671q, except that any hazardous air pollutant (HAP) listed in 42 U.S.C. 7412 or added
- to the list pursuant to 42 U.S.C. 7412(b)(3), is not a regulated NSR pollutant unless the
- 13 <u>listed HAP is also regulated as a constituent or precursor of a general pollutant listed</u>
- 14 under 42 U.S.C. 7408.
- 15 (211) "Replacement unit" means an emissions unit that does not generate
- 16 <u>creditable emissions reductions by shutting down the existing emissions unit that is</u>
- 17 replaced, and that:
- 18 (a)1. <u>Is a reconstructed unit within the meaning of 40 C.F.R. 60.15(b)(a) or that</u>
- 19 completely takes the place of an existing emissions unit;
- 20 <u>2. Is identical to or functionally equivalent to the replaced emissions unit; and</u>
- 21 <u>3. Does not alter the basic design parameters of the process unit.</u>
- (b) Replaces a unit that:
- 23 <u>1. Is permanently removed from the major stationary source, is otherwise</u>

- 1 permanently disabled, or is prohibited from operating by a permit that is enforceable as
- 2 <u>a practical matter; and</u>

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- 3 2. If brought back into operation, is considered a new emissions unit.
- 4 (212)(a) "Repowering" means:
- 5 1. Replacement of an existing coal-fired boiler with one (1) of the following 6 clean coal technologies: atmospheric or pressurized fluidized bed combustion, 7 integrated gasification combined cycle, magneto hydrodynamics, direct and indirect 8 coal-fired turbines, integrated gasification fuel cells, or as determined by the U.S. EPA 9 in consultation with the Secretary of Energy, a derivative of one or more of these technologies, or another technology capable of controlling multiple combustion 10 11 emissions simultaneously with improved boiler or generation efficiency and with 12 significantly greater waste reduction relative to the performance of technology in 13 widespread commercial use as of November 15, 1990; and
 - 2. An oil or gas-fired unit that has been awarded clean coal technology demonstration funding as of January 1, 1991 by the Department of Energy.
- 16 (b) A permit application from a source that satisfies this definition shall receive

 17 expedited consideration by the cabinet and is granted an extension under 42 U.S.C.

 18 7651h.
- 19 (213) "Responsible official" means:
 - (a) For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of that person if the representative is responsible for the overall operation

- 1 of one (1) or more manufacturing, production, or operating facilities applying for or
- 2 <u>subject to a permit; and</u>
- 3 <u>1. The facilities employ more than 250 persons or have gross annual sales</u>
- 4 <u>or expenditures exceeding \$25,000,000 in second quarter 1980 dollars; or</u>
- 5 <u>2. The delegation of authority to the representative is approved in advance</u>
- 6 by the cabinet;
- 7 (b) For a partnership or sole proprietorship, a general partner or the
- 8 proprietor, respectively;
- 9 (c) For a municipality, state, federal, or other public agency, a principal
- 10 <u>executive officer or ranking elected official</u>. The principal executive officer of a federal
- agency includes the chief executive officer having responsibility for the overall operation
- of a principal geographic unit of the agency; or
- 13 (d) For the acid rain portion of a permit for an affected source, the designated
- 14 representative.
- 15 (214) [(152)] "Run" means the net period of time, either intermittent or
- 16 continuous, within the limits of good engineering practice during which an emission
- 17 sample is collected.
- 18 (215) [(153)] "S" means at standard conditions.
- 19 (216) [(154)] "sec" means second.
- 20 (217) [(155)] "Secondary emissions" means emissions that:
- 21 (a)[1.] Occur as a result of the construction or operation of a major stationary
- source or major modification; and [2.] do not come from the major stationary source or
- 23 major modification itself;

- 1 (b) Are specific, well defined, quantifiable, and impact the same general area 2 as the stationary source modification that [which] caused the secondary emissions;
 - (c) Include emissions from an offsite support facility that [which] would not otherwise be constructed or increase its emissions as a result of the construction or operation of the major stationary source or major modification; and
 - (d) Do[es] not include emissions that [which] come directly from a mobile source, including emissions from the tailpipe of a motor vehicle, a train, or vessel.
 - (218) [(156)] "Serious nonattainment county" or "serious nonattainment area" means a county or portion of a county designated serious nonattainment for the one (1) hour national ambient air quality standard for ozone in 401 KAR 51:010.
 - (219) [(157)] "Severe nonattainment county" or "severe nonattainment area" means a county or portion of a county designated severe nonattainment for the one (1) hour national ambient air quality standard for ozone in 401 KAR 51:010.
- 14 (220) [(158)] "Shutdown" means the cessation of an operation.
- 15 (221) "Significant" means:

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(a) For 401 KAR 51:017, in reference to a net emissions increase or the potential of a source to emit any of the pollutants listed in the following table, a rate of emissions that would equal or exceed a corresponding rate listed in the table:

POLLUTANT	EMISSIONS RATE
Carbon monoxide	100 tons per year (tpy)
Ozone depleting substance	100 tpy
Nitrogen oxides	40 tpy
Sulfur dioxide	40 tpy

Particulate matter	25 tpy of particulate matter emissions
	15 tpy of PM ₁₀ emissions
<u>Ozone</u>	40 tpy of volatile organic compounds
Lead	0.6 tpy
Asbestos	0.007 tpy
Beryllium	0.0004 tpy
Mercury	<u>0.1 tpy</u>
Vinyl chloride	1 tpy
<u>Fluorides</u>	<u>3 tpy</u>
Sulfuric acid mist	7 tpy
Hydrogen sulfide (H ₂ S)	10 tpy
Total reduced sulfur (including H ₂ S)	10 tpy
Reduced sulfur compounds (including H ₂ S)	10 tpy
Municipal waste combustor organics (measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans)	3.2 x 10 ⁻⁶ megagrams per year (Mg/y) (3.5 x 10 ⁻⁶ tpy)
Municipal waste combustor metals (measured as particulate matter)	14 Mg/y (15 tpy)
Municipal waste combustor acid gases (measured as sulfur dioxide and hydrogen chloride)	36 Mg/y (40 tpy)

- 1 (b) For 401 KAR 51:017, in reference to a net emissions increase or the
- 2 potential of a source to emit a regulated NSR pollutant that is not listed in the table in
- 3 paragraph (a) of this subsection, any emissions rate.
- 4 (c) For 401 KAR 51:017, in reference to an emissions rate or a net emissions
- 5 increase associated with a major stationary source or major modification, which is to be

- constructed within ten (10) kilometers of a Class I area, an impact on that area equal to
 or greater than one (1) μg/m³ over a twenty-four (24) hour average.
- (d) For 401 KAR 51:052, in reference to a net emissions increase or the
 potential of a source to emit any of the pollutants listed in the following table, a rate of
 emissions that would equal or exceed a corresponding rate listed in the table:

POLLUTANT	EMISSIONS RATE
Carbon monoxide	100 tons per year (tpy)
Ozone depleting substance	100 tpy
Nitrogen oxides	40 tpy
Sulfur dioxide	40 tpy
<u>Ozone</u>	40 tpy of volatile organic compounds
Lead	0.6 tpy

(222) "Significant emissions increase" means, for a regulated NSR pollutant, an increase in emissions that is equal to or greater than the emission level that is significant for that pollutant.

(223) "Significant emissions unit" means an emissions unit that emits or has the potential to emit a PAL pollutant in an amount that is equal to or greater than the applicable significant level as defined in subsection (221) of this section or in 42 U.S.C. 7401 to 7671q, whichever is lower for that PAL pollutant, but less than the amount that would qualify the unit as a major emissions unit.

(224) "Small emissions unit" means an emissions unit that emits or has the potential to emit the PAL pollutant in an amount less than the PAL pollutant's applicable significant level as defined in subsection (220) of this section; or in 42 U.S.C. 7401 to

- 1 7671q, whichever is lower.
- 2 (225) [(159)] "SO₂" means sulfur dioxide.
- 3 (226) [(160)] "Source" means one (1) or more affected facilities contained within
- 4 a given contiguous property line, which means the property is separated only by a
- 5 public thoroughfare, stream, or other right of way.
- 6 (227) [(161)] "sq" means square.
- 7 (228) [(162)] "Stack or chimney" means a flue, conduit, or duct arranged to
- 8 conduct emissions to the atmosphere.
- 9 (229) [(163)] "Standard" means an emission standard, a standard of
- 10 performance, or an ambient air quality standard as promulgated in 401 KAR Chapters
- 11 50 to 65, including the emission control requirements necessary to comply with 401
- 12 KAR Chapter 51.
- 13 (230)[(164)] "Standard conditions":
- 14 (a) For source measurements means twenty (20) degrees Celsius (sixty-eight
- 15 (68) degrees Fahrenheit) and a pressure of 760 mm Hg (29.92 in. of Hg).
- 16 (b) For the purpose of air quality determinations means twenty-five (25)
- 17 degrees Celsius and a reference pressure of 760 mm Hg.
- 18 (231)[(165)] "Start-up" means the setting in operation of an affected facility.
- 19 (232)[(166)] "State implementation plan" or "SIP" means the most recently
- 20 prepared plan or revision required by 42 U.S.C. [USC] 7410 that [which] has been
- approved by the U.S. EPA.
- 22 (233) "Stationary source" means a building, structure, facility, or installation that
- 23 emits or may emit a regulated NSR pollutant.

- 1 (234) [(167)] "Submit" means to send or transmit a document, information, or correspondence in accordance with an applicable requirement.
- 3 (235) [(168)] "TAPPI" means Technical Association of the Pulp and Paper 4 Industry.
 - (236) "Temporary clean coal technology demonstration project" means a clean coal technology demonstration project that is operated for a period of five (5) years or less and that complies with the Kentucky SIP and with other requirements necessary to attain and maintain the national ambient air quality standards during and after the project is terminated.
 - (237) [(169)] "Ton" or "tonnage" means, for a NOx budget source, a short ton or [(12,000 pounds[))]. For determining compliance with the NOx budget emissions limitation, total tons for a control period is [shall be] calculated as the sum of all recorded hourly emissions, [(1) or the tonnage equivalent of the recorded hourly emissions rates, [)] in accordance with 40 C.F.R. [CFR] 96, Subpart H with any remaining fraction of a ton equal to or greater than 0.50 ton deemed to equal one (1) ton and any fraction of a ton less than 0.50 ton deemed to equal zero tons.
 - (238) [(170)] "Total suspended particulates" or "TSP" means particulate matter as measured by the method described in 40 <u>C.F.R.</u> [CFR] 50, Appendix B.
- 19 (239) [(171)] "tpy" means tons per year.

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- 20 (240) [(172)] "TSS" means total suspended solids.
- 21 (241) [(173)] "Uncombined water" means water that [which] can be separated 22 from a compound by ordinary physical means and that [which] is not bound to a 23 compound by internal molecular forces.

- 1 (242) [(174)] "Unit" means a fossil fuel-fired stationary boiler, combustion turbine,
- 2 or combined cycle system.
- 3 (243) [(175)] "Urban county" means a county that [which] is a part of an
- 4 urbanized area with a population of greater than 200,000 based upon the 1980 census.
- 5 If a portion of a county is a part of an urbanized area, then the entire county is [shall be]
- 6 classified as urban for [with respect to] the administrative regulations of the Division for
- 7 Air Quality.
- 8 (244) [(176)] "Urbanized area" means an area defined as such by the U.S.
- 9 Department of Commerce, Bureau of Census.
- 10 (245) [(177)] "U.S. EPA" means the United States Environmental Protection
- 11 Agency.
- 12 (246) [(178)] "UTM" means Universal Transverse Mercator.
- 13 (247) "Visibility impairment" means a humanly perceptible change in visibility
- 14 <u>such as visual range, contrast, or coloration, from that which would have existed under</u>
- 15 <u>natural conditions.</u>
- 16 (248) [(179)] "Volatile organic compound" or "VOC" means an organic compound
- 17 that participates in atmospheric photochemical reactions. This includes an organic
- 18 compound other than the following compounds: methane; ethane; carbon monoxide;
- 19 carbon dioxide; carbonic acid; metallic carbides or carbonates; ammonium carbonate;
- 20 methylene chloride; 1,1,1-trichloroethane (methyl chloroform) trichlorofluoromethane
- 21 (CFC-11); dichlorodifluoromethane (CFC-12) chlorodifluoromethane (HCFC-22);
- 22 trifluoromethane (HFC-23); 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113); 1,2-dichloro-
- 23 1,1,2,2-tetrafluoroethane (CFC-114); chloropentafluoroethane (CFC-115); 2,2-

- 1 dichloroethane (HCFC-123); 1,1,1,2-tetrafluoroethane (HFC-134a); 1,1-dichloro 1-
- 2 fluoroethane (HCFC-141b); 1-chloro 1,1-difluoroethane (HCFC-142b); 2-chloro-1,1,1, 2-
- 3 tetrafluoroethane (HCFC-124); pentafluoroethane (HFC-125); 1,1,2,2-tetrafluoroethane
- 4 (HFC-134); 1,1,1-trifluoroethane (HFC-143a); 1,1-difluoroethane (HFC-152a);
- 5 parachlorobenzotrifluoride (PCBTF); cyclic, branched, or linear completely methylated
- 6 siloxanes; acetone; perchloroethylene (tetrachloroethylene); 3,3-dichloro-1,1,1,2,2-
- 7 pentafluoropropane (HCFC-225ca); 1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-
- 8 225cb); 1,1,1,2,3,4,4, 5,5,5-decafluoropentane (HFC 43-10mee); difluoromethane
- 9 (HFC-32); ethylfluoride (HFC-161); 1,1,1,3,3,3-hexafluoropropane (HFC-236fa);
- 10 1,1,2,2,3-pentafluoropropane (HFC-245ca); 1,1,2,3,3-pentafluoropropane (HFC-245ea);
- 11 1,1,1,2,3-pentafluoropropane (HFC-245eb); 1,1,1,3,3-pentafluoropropane (HFC-245fa);
- 12 1,1,1,2,3,3-hexafluoropropane (HFC-236ea); 1,1,1,3,3-pentafluorobutane (HFC-
- 13 365mfc); chlorofluoromethane (HCFC-31); 1 chloro-1-fluoroethane (HCFC-151a); 1,2-
- 14 dichloro-1,1,2-trifluoroethane (HCFC-123a); 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-
- butane(C₄F₉OCH₃); 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane((CF₃)₂)
- 16 CFCF₂OCH₃);1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane($C_4F_9OC_2H_5$); 2-
- 17 (ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF₃)₂ CFCF₂OC₂H₅); methyl
- acetate; and perfluorocarbon compounds which fall into the following classes:
- 19 (a) Cyclic, branched, or linear, completely fluorinated alkanes;
- 20 (b) Cyclic, branched, or linear, completely fluorinated ethers with no 21 unsaturations;
- Zi dilbatarations,
- 22 (c) Cyclic, branched, or linear, completely fluorinated tertiary amines with no
- 23 unsaturations:

- 1 (d) Sulfur containing perfluorocarbons with no unsaturations and with sulfur
- 2 bonds only to carbon and fluorine; or
- 3 (e) Other compounds that have negligible photochemical reactivity and which
- 4 are inadvertently measured by test methods that have been approved by the cabinet
- 5 and the U.S. EPA.
- 6 (249) [(180)] "yd" means yard.
- 7 <u>Section 2.</u> <u>Incorporation by Reference.</u> (1) <u>The following material is</u>
- 8 <u>incorporated by reference:</u>
- 9 (a)1. "Standard Industrial Classification Manual, 1987, as published by the Office
- 10 of Management and Budget."
- 11 2. The manual is available under Order No. PB 87-100012 from the National
- 12 Technical Information Service, 5285 Port Royal Road, Springfield, Virginia, 22161; Phone
- 13 (703) 487-4650.
- 14 (b)1. Documents from the Code of Federal Regulations:
- 15 <u>a.</u> "40 C.F.R. Part 82, Appendix A to Subpart A of Part 82 Class I
- 16 Controlled Substances, as published in the Code of Federal Regulations, July 1, 2003."
- 17 b. "40 C.F.R. Part 82, Appendix B to Subpart A of Part 82 Class II
- 18 Controlled Substances, as published in the Code of Federal Regulations, July 1, 2003."
- 19 <u>2. Copies of the Code of Federal Regulations may be obtained from the</u>
- 20 Superintendent of Documents, U.S. Government Printing Office, Attn: New Orders,
- 21 P.O. Box 371954, Pittsburgh, PA 15250-7954; Phone (202) 512-1800; Fax (202) 512-
- 22 2250.
- 23 (2) The documents incorporated by reference in subsection (1) of this section

- 1 are available for public inspection and copying (subject to copyright law) at the following
- 2 main and regional offices of the Kentucky Division for Air Quality during the normal
- 3 working hours of 8 a.m. to 4:30 p.m., local time:
- 4 (a) Kentucky Division for Air Quality, 803 Schenkel Lane, Frankfort, Kentucky
- 5 40601-1403, (502) 573-3382;
- 6 (b) Ashland Regional Office, 1550 Wolohan Drive, Suite 1, Ashland,
- 7 Kentucky, 41102, (606) 929-5285;
- 8 (c) Bowling Green Regional Office, 1508 Westen Avenue, Bowling Green,
- 9 Kentucky, 42104, (270) 746-7475;
- 10 (d) Florence Regional Office, 8020 Veterans Memorial Drive, Suite 110,
- 11 Florence, Kentucky, 41042, (859) 525-4923;
- 12 (e) Hazard Regional Office, 233 Birch Street, Suite 2, Hazard, Kentucky,
- 13 41701, (606) 435-6022;
- 14 (f) London Regional Office, 875 S. Main Street, London, Kentucky, 40741,
- 15 <u>(606) 878-0157;</u>
- 16 (g) Owensboro Regional Office, 3032 Alvey Park Drive, W., Suite 700,
- 17 Owensboro, Kentucky, 42303, (270) 687-7304;
- 18 (h) Paducah Regional Office, 4500 Clarks River Road, Paducah, Kentucky,
- 19 <u>42003, (270) 898-8468; and</u>
- 20 (i) Frankfort Regional Office, 643 Teton Trail, Suite B, Frankfort, Kentucky
- 21 <u>40601, (502) 564-3358.</u>

Date	LaJuana S. Wilcher, Secretary
	Environmental and Public Protection Cabinet

PUBLIC HEARING: A public hearing on this administrative regulation shall be held on April 30, 2004, at 10:00 a.m. (Eastern Time) in the Conference Room of the Division for Air Quality at 803 Schenkel Lane, Frankfort, Kentucky. Individuals interested in being heard at this hearing shall notify this agency in writing by April 23, 2004, five (5) workdays prior to the hearing, of their intent to attend.

This hearing is open to the public. Any person who wishes to be heard will be given an opportunity to comment on the proposed administrative regulation. A transcript of the public hearing will be made. If you request a transcript, you will be required to pay for it.

If you do not wish to be heard at the public hearing, you may submit written comments on the proposed administrative regulation. Written comments shall be accepted until April 30, 2004. Send written notification of intent to be heard at the hearing or written comments on the proposed administrative regulation to the contact person.

The hearing facility is accessible to persons with disabilities. Requests for reasonable accommodations, including auxiliary aids and services necessary to participate in the hearing, may be made to the contact person at least five (5) workdays prior to the hearing.

CONTACT PERSON: Millie Ellis, Environmental Technologist III, Regulation Development Section, Division for Air Quality, 803 Schenkel Lane, Frankfort, Kentucky 40601, telephone number (502) 573-3382, and facsimile number (502) 573-3787.

REGULATORY IMPACT ANALYSIS AND TIERING STATEMENT

Administrative Regulation #: 401 KAR 51:001

Contact person: Millie Ellis

(1) Provide a brief summary of:

(a) What this administrative regulation does:

The administrative regulation provides the definitions of terms used in the Kentucky administrative regulations contained in 401 KAR Chapter 51.

(b) The necessity of this administrative regulation:

The administrative regulation defines the terms used in Kentucky administrative regulations contained in 401 KAR Chapter 51.

(c) How this administrative regulation conforms to the content of the authorizing statutes:

The definitions contained in this administrative regulation that have federal definitions have been clarified and simplified and have been formatted to conform to KRS Chapter 13A drafting requirements, but are not more stringent or otherwise different than the corresponding federal definitions.

(d) How this administrative regulation currently assists or will assist in the effective administration of the statutes:

The administrative regulation provides the definitions of terms used in the Kentucky administrative regulations contained in 401 KAR Chapter 51.

- (2) If this is an amendment to an existing administrative regulation, provide a brief summary of:
 - (a) How the amendment will change this existing administrative regulation:

The amendment adds the definitions of terms used in the Kentucky administrative regulations implementing the revision to the federal Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NSR) regulations, which is found in pertinent part at 40 C.F.R. 51.165 and 51.166 as amended at 65 Fed. Reg. 80186 (December 31, 2002) and at 68 Fed. Reg. 63021 (November 7, 2003). The amendment also proposes revisions to make the administrative regulation conform to KRS Chapter 13A.

(b) The necessity of the amendment to this administrative regulation:

This amendment is necessary in order for the cabinet to ensure the Kentucky State Implementation Plan (SIP) continues to meet the requirements of the federal mandate for major sources constructing and modifying in the Commonwealth. The amendment will add the definitions of terms used in 401 KAR 51:017 and 401 KAR 51:052, which are being amended in a separate action to implement the revisions to the federal Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NSR) regulations promulgated in the *Federal Register*, 67 FR 80185 (December 31, 2002) and at 68 Fed. Reg. 63021 (November 7,

2003). This administrative regulation is also being amended in order for the administrative regulation to conform to KRS Chapter 13A drafting requirements.

(c) How the amendment conforms to the content of the authorizing statutes:

The definitions contained in this administrative regulation that have federal definitions have been clarified and simplified but are not more stringent or otherwise different than the corresponding federal definitions.

(d) How the amendment will assist in the effective administration of statutes:

The amendment to the administrative regulation will provide the definitions of terms used in 401 KAR 51:017 and 401 KAR 51:052, which are being amended in a separate action, to implement the revisions to the federal Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NSR) regulations promulgated in the *Federal Register*, 67 FR 80185 (December 31, 2002) and at 68 Fed. Reg. 63021 (November 7, 2003).

(3) List the type and number of individuals, businesses, organizations, or state and local governments affected by this administrative regulation.

This administrative regulation does not directly impact any individual, business, organization, or state or local government. This administrative regulation merely defines the terms used in administrative regulations contained in 401 KAR Chapter 51.

(4) Provide an assessment of how the above group or groups will be impacted by either the implementation of this administrative regulation, if new, or by the change if it is an amendment:

This administrative regulation does not directly impact any individual, business, organization, or state or local government. This administrative regulation merely defines the terms used in administrative regulations contained in 401 KAR Chapter 51.

- (5) Provide an estimate of how much it will cost to implement this administrative regulation:
 - (a) Initially:

Since this administrative regulation merely defines terms used in other administrative regulations contained in 401 KAR Chapter 51, there are no known initial costs for implementation of this administrative regulation.

(b) On a continuing basis:

Since this administrative regulation merely defines terms used in other administrative regulations contained in 401 KAR Chapter 51, there are no known continuing costs related to this administrative regulation.

(6) What is the source of the funding to be used for the implementation and enforcement of this administrative regulation:

No new revenue is required because there are no known costs related to this administrative regulation.

(7) Provide an assessment of whether an increase in fees or funding will be necessary to implement this administrative regulation, if new, or by the change if it is an amendment.

No increase in fees or funding is necessary to implement this administrative regulation.

(8) State whether or not this administrative regulation establishes any fees or directly or indirectly increases any fees.

This administrative regulation does not establish any fees, nor does it directly or indirectly increase any fees.

(9) TIERING: Is tiering applied? (Explain why tiering was or was not used.)
Tiering is not applied. The proposed administrative regulation imposes no requirements; therefore, tiering is not applicable.

FISCAL NOTE ON LOCAL GOVERNMENT

	nistrative Regulation #: 401 KAR 51:001 ct person: Millie Ellis
New	Amendment X
1.	Does this administrative regulation relate to any aspect of a local government, including any service provided by that local government?
	Yes No <u>X</u>
2.	State what unit, part or division of local government this administrative regulation will affect

3. State the aspect or service of local government to which this administrative regulation relates.

This amendment does not relate to any known aspect or service of local government.

No known unit, part, or division of local government will be affected by this

4. Estimate the effect of this administrative regulation on the expenditures and revenues of a local government for the first full year the regulation is to be in effect. If specific dollar estimates cannot be determined, provide a brief narrative to explain the fiscal impact of the administrative regulation.

Revenues (+/-): There is no known effect on current revenues. Expenditures (+/-): There is no known effect on current expenditures.

Other Explanation: There is no further explanation.

amendment.

SUMMARY OF NEW MATERIAL INCORPORATED BY REFERENCE IN 401 KAR 51:001

40 C.F.R. 82 Subpart A, Appendix A - Class I Controlled Substances 40 C.F.R. 82 Subpart A, Appendix B - Class II Controlled Substances

40 C.F.R. 82 governs the phaseout of ozone-depleting substances (ODS) under sections 602, 604-606, and 614 of Title IV of the Clean Air Act. Subpart A, appendices A and B list Class I and Class II ODS regulated by the program, respectively, as well as the ozone-depleting potential (ODP) of those substances. Under the amendment to this administrative regulation, sources utilizing the pollution control project (PCP) exclusion must use this data in calculating the environmental benefit of a project if the project involves switching from one ODS to another.

Implementation of this administrative regulation will require no additional state funding.

This material from the Code of Federal Regulations consists of two (2) pages and includes:

Class I Controlled Substances Class II Controlled Substances